

NATIONAL PARK
BRITISH COLUMBIA

The park is both on the main line of the C.P.R. and on the Trans-Canada Highway. Since there is no scheduled stop at Glacier, rail passengers will wish to visit Glacier before to detain either at Field in Yoho National Park or at the city of Revelstoke, about 30 miles from the park's western entrance. Most persons see Glacier from the Trans-Canada Highway which passes through the central part of the park and is open all year. Other National Parks in the vicinity are Mount Revelstoke near Revelstoke and Yoho and Banff National Parks which are in the Rockies to the east.

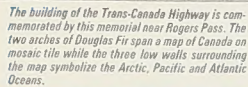
PURPOSE

It is one of the 18 National Parks of Canada, which have a total area of 29,000 square miles. All National Parks are administered by the National and Historic Parks Branch, Department of Indian Affairs and Northern Development and are exclusively under the jurisdiction of the federal government.

HOW YOU CAN HELP

Do not feed, or approach too closely to, bears and other large mammals, even if you are in a car. Remember to check out with a warden before

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The Horsethief Creek rocks, in the eastern part of the park, consist of slate, hard quartzite, conglomerate, limestone and a flinty material known as breccias. The younger Hamill rocks, found elsewhere in the park, are mostly quartzite in pale green, pale pink and white.

Don't light wood fires except in the fireplaces provided for this purpose. Campfires must be completely extinguished before you leave a campsite or picnic area. If you see an unattended fire, extinguish it immediately and report it promptly to the first park employee you see. A forest fire could devastate the park and all its natural features so badly that it would take more than 100 years for its beauty to be restored by natural processes.

MOTOR LICENCE

All motor vehicles entering Glacier National Park must bear a park motor vehicle licence. This is sold at \$2, or \$3 if the vehicle is towing a trailer, at the entrance to the park and is valid for an unlimited number of entries into all National Parks for a 12-month period. Licences purchased previously at Banff, Yoho and other National Parks where a \$2 licence is required are honoured at Glacier.

Possession of a park motor vehicle licence is required for all vehicles passing through Glacier National Park even though the vehicles are being driven along the Trans-Canada Highway to a destination outside the National Parks. Information on fees payable by the drivers of buses and trucks may be obtained from the park gateway attendant.

One of the unpleasant natural features of Glacier National Park is its avalanches which in winter cascade tons of snow down the steep mountain slopes which rise on each side of Rogers Pass. Although you probably will never see an avalanche in Glacier, their tremendous power can be imagined when you look up from the highway at a slope that is scraped clean of all trees and shrubs or catch a glimpse of a tangled mound of trees, bushes, rock rubble and dirty snow on the roadside.

There are 74 avalanche paths threatening the Trans-Canada Highway in Glacier National Park. As you drive through the park, you will pass through six concrete snowsheds which protect the

Observations have not been carried out regularly on the glaciers and it is difficult to say whether all the glaciers are receding, i.e., the slight annual average flow of the glaciers does not compensate for the much greater loss of volume of the ice through melting. The Illellewaet Glacier was first studied in 1887 when it was about 3,000 feet long and known as the Great Glacier of the Selkirs. Today it is a pathetic relic of the Ice Age, barely 1,000 feet long and dwindling away at the rate of about 50 feet a year. The Illellewaet Glacier is even smaller.

As a result of the geological and biological studies, Glacier and Mount Revelstoke National Park, priced at \$150, is available by mail from the Queen's Printer, Ottawa, and may be purchased at the park administration office at Revelstoke.

In the valleys there is some black cottonwood but as you climb higher the forest composition is mainly western and mountain hemlock, Engelmann spruce and subalpine fir, with some giant cedar. The alpine fir becomes dominant as timberline is approached.

The ground cover is creeping raspberry, dwarf dogwood, many kinds of ferns and small herbaceous plants such as the saxifrages and the queen's cup. Where more sunlight filters through the forest canopy, hundreds of white-flowered rhododendrons grow. This is the most common wild flower of the Selkirs. Also in the forests are very dense thickets of immature evergreens, blueberry, currant and thimbleberry bushes and devil's club.

The heavy snowfall of Glacier National Park, averaging 342 inches, does not make the park an ideal range for large mammals and only rarely will a visitor sight anything larger than a ground squirrel. There are some black bears and a colony of 20 or so grizzly bears use the park as a refuge. The grizzlies are shy and seldom appear near the highway; sometimes they are seen in isolated areas of the park. The usual small mountain animals are present, such as the Columbian and golden mantled ground squirrel, the marmot, the pika and the chipmunk.

FISHING

Glacier is not a good place for fishing because the streams are filled with glacial silt and there are no lakes in which a fish population can be supported. In late summer or early fall, Dolly Varden trout may be caught in the streams although they are never large. A \$2.00 fishing licence is required for use in the park; this can be obtained from a park warden.

A fine network of trails, originally built by the C.P.R., leads to the Illecillewaet Glacier and to Asulkan Glacier. There are fine viewpoints from the ridge of Mount Abbott. About a mile east of Rogers Pass, a trail leads upward to the Hermit hut of the Alpine Club of Canada (open only to members of the A.C.C.). A few hundred feet above this hut is a beautiful alpine enclosed in a large natural amphitheatre. Trails lead up Bear and Cougar Creeks to Cougar Valley where the Caves of Cheops or the Nakimu Caves are located. The caves are closed to the public and entry is prohibited.

Most of the trails that are used by the public involve relatively short hikes and it is not advisable

Glacier National Park is one of the finest climbing areas in the world. There are about 100 major peaks to ascend, none of them requiring long approaches, and the rock is firm and hard to the grasp. The idea for the founding of the Alpine Club of Canada was formulated here and from 1887 on many of the famous mountaineers of the world came to Glacier.

Each of the peaks of the Sir Donald Group is a day's climb from the Illecillewaet campground by careful route selection; however, Sir Donald can take as long as 20 hours for the ascent and descent. Other popular ascents are those peaks of the Hermit Group.

There are no mountaineering guides at Glacier and all climbing equipment and supplies must be brought in. However, the National Parks Service employs a mountaineering specialist to advise climbing parties. All mountain climbing must be registered with the mountaineering specialist or a park warden before leaving and all parties must also report their safe return. Failure to follow these simple precautions may endanger you or, at least, involve the expense of a search and rescue party.

There are two small campgrounds in the park, Illecillewaet and Loop Creek. A large campground is being developed at Mountain Creek and is being opened for public use gradually. There are no electrical or sewage disposal connections for trailers in the campgrounds. Communal kitchen shelters, free firewood, and flush toilets are provided. Camping charges are \$1 a day. Campgrounds normally are open from June until October.

The building of Glacier House, a comfortable lodge-like hotel of 36 rooms, followed a year after the C.P.R. was finished in 1885. From 1887 to 1925, this hotel had an international reputation and attracted most of the world's leading mountaineers, naturalists, and geographers who contributed much to the knowledge of the Selkirk by their climbs, explorations and writings. In its finest days, Glacier House was close to the tracks but, due to the continual damage and loss of life by avalanches, the C.P.R. moved its route out of the park. The Selkirk was a 100-mile long Canadian Tunnel through Mount MacDonald in 1915. After that patronage declined and the hotel was closed in 1925 and demolished in 1929. Its site and some of its foundations may still be seen near the Illecillewaet campground.

A railway town of 300 persons existed in Rogers Pass from 1885 to the time of the re-routing of the railway. This town apparently survived avalanches although the tracks on both sides were overwhelmed frequently. Most tragic of the avalanche accidents in Rogers Pass was the sudden death of 64 railway workers on March 10, 1910. While digging through one avalanche, the workers were trapped by another huge stream of snow which fell from the other side of Rogers Pass and died instantaneously.

After the closing of Glacier House, Glacier National Park was all but forgotten except by the hundred or so avid mountaineers who came to the park by train, transporting all their equipment and supplies.

The Nakimu Caves, a series of subterranean passages in Cougar Valley, were discovered by C. H. Deutschman in 1900 and, while Glacier House was fully operating, were developed as a sightseeing attraction by the C.P.R. In 1935 the caves were officially closed as a safety measure. At present it is dangerous to enter the caves, even with special equipment such as safety lights and ropes and visits to the caves are prohibited.

In 1962, the completion of the Golden-Revelstoke section of the Trans-Canada forged the final link in a transcontinental highway spanning Canada from St. John's, Newfoundland, to Victoria, B.C. A memorial to this achievement was unveiled on Sept. 3, 1962, by Rt. Hon. John Diefenbaker, the Prime Minister of Canada, and is a popular stopping place for tourists, passing through the park.



Mount Catamount and its glacier are seen from the top of Baloo Pass

highway and its traffic at the most dangerous points. An avalanche will run out over the top of one of the snowsheds instead of piling its tons of snow on the highway. On flatter slopes you will notice mounds of gravel fill about 15 to 25 feet high which are arranged in a definite pattern. These too are avalanche defences, designed to break up the avalanche into a number of smaller slides and slow it up before it reaches the highway.

The National and Historic Parks Branch has the difficult task of maintaining the Trans-Canada Highway through Glacier during the winter and operates an avalanche prediction and warning station. Observations made by this station enable avalanches to be spotted and brought down deliberately by artillery fire under controlled conditions so that there is no danger to motorists using the highway.

Since the Indians have left no artifacts in Glacier National Park, it is reasonably sure that they only passed through Rogers Pass occasionally on trips to better hunting grounds. With its difficult

